

INTERNATIONAL SEARCH REPORT

IB2005/050662

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B28D5/00 B28D5/02 B23D59/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B28D B23D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 955 119 A (SKC DI TONDINI CLAUDIO) 10 November 1999 (1999-11-10)	1-3,5
Y	paragraphs '0013!, '0014!; figures 2,4,5 -----	8,9
X	US 3 623 520 A (PETER J. NEILD) 30 November 1971 (1971-11-30)	1,2,4-7
Y	column 2, line 5 - column 3, line 35; figures 1,2,4 -----	8,9
X	US 4 619 081 A (LIPANSKI ET AL) 28 October 1986 (1986-10-28)	1,5
	column 5, line 6 - line 20; figure 8 -----	
Y	US 2002/178883 A1 (YAMAMOTO NAKO) 5 December 2002 (2002-12-05)	8,9
	paragraphs '0013! - '0018!; figures 2,3 -----	

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

28 April 2005

Date of mailing of the international search report

01/06/2005

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0955119	A	10-11-1999	IT	B0980291 A1	08-11-1999
			AT	285310 T	15-01-2005
			DE	69922734 D1	27-01-2005
			EP	0955119 A2	10-11-1999
US 3623520	A	30-11-1971	NONE		
US 4619081	A	28-10-1986	CN	86101497 A	12-11-1986
			EP	0193070 A2	03-09-1986
US 2002178883	A1	05-12-2002	JP	2002359212 A	13-12-2002